	P.	ATENT COOPE	RATION TREA	1 Y			
From the INTERNATIONAL SEA	RCHING AUT	THORITY					
To: Berggren Oy Ab			PCT				
Ohjelmakaari 1 FIN-40500 Jyväskylä Finland		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY  (PCT Rule 43 <i>bis</i> .1)					
			Date of mailing (day/month/year)	1 6 -03- 2005			
Applicant's or agent's file reference BP110549/TN			FOR FURTHER ACTION See paragraph 2 below				
International application PCT/FI2004/05	International filing date 24-11-2004	e (day/month/year)	Priority date (day/month/year) 15-12-2003				
International Patent Class H01L23/60 //			cation and IPC				
Applicant Nokia Corpora	ation et	al					
1 This opinion contains	indications rel	ating to the following its	Pen S'				
This opinion contains indications relating to the following items:      Box No. 1 Basis of the opinion							
Box No. II							
Box No. III	Non-establishn	nent of opinion with reg	ard to novelty, inventive	e step and industrial applicability			
Box No. IV Lack of unity of invention							
Box No. V Reasoned statement under Rule 43bis. 1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
Box No. VI Certain documents cited							
Box No. VII Certain defects in the international application							
Box No. VIII Certain observations on the international application							
2. FURTHER ACTION	N						
International Prelimin Authority other than t	nary Examining this one to be IF	Authority ("IPEA") exc	cept that this does not a A has notified the Intern	considered to be a written opinion of the pply where the applicant chooses an national Burcau under Rule 66.1 bis(b) that			

Name and mailing address of the ISA/SE

Authorized officer

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing

of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

Box 5055

Patent- och registreringsverket

For further opinions, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

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Form PCT/ISA/237 (cover sheet) (January 2004)

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/FI2004/050176

Bo	No. I Basis of this opinion	
1.	With regard to the language, this opinion has been established on the basis of the international application in the lan which it was filed, unless otherwise indicated under this item.  This opinion has been established on the basis of a translation from the original language into the following leading which is the language of a translation furnished for the purposes of international search (under R and 23.1(b)).	anguage,
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary claimed invention, this opinion has been established on the basis of:  a. type of material  a sequence listing  table(s) related to the sequence listing	to the
	b. format of material in written format in computer readable form	
	c. time of filing/furnishing  contained in the international application as filed.  filed together with the international application in computer readable form.  furnished subsequently to this Authority for the purposes of search.	
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating theret filed or furnished, the required statements that the information in the subsequent or additional copies is ide that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished	entical to
4.	Additional comments:	

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/FI2004/050176

		3bis.1(a)(i) with regard to novelty, inventive nations supporting such statement	
Novelty (N)	Claims	2-6, 9-14	YES
	Claims	1, 8, 15	NO
Inventive step (IS)	Claims		YES
	Claims	1-15	NO
Industrial applicability (IA)	Claims	1-15	YES
	Claims		NO

### 2. Citations and explanations:

The claimed invention solves problems caused by electrostatic discharges in the vicinity of semiconductor components. The suggested solution is to provide the component with a grounded conductive element.

Documents cited in the International Search Report:

D1: US 4796084 A D2: US 2001033478 A1 D3: JP 2001196638 A

D1 discloses a semiconductor device with protection against electrostatic discharges. The protection comprises a conducting film, which may be grounded (see claims 1-2).

In D2 another electric component provided with a grounded shield is disclosed.

D3 shows a grounded conductive loop (5) surrounding an LED.

The invention according to independent claims 1, 8 and 15 is known from D1.

The further details added in claims 2-7 and 9-14 are not explicit in D1. However, these details and their effects are well known by the person skilled in the art and do not contribute to any surprising solution of any technical problem. Thus, the invention according to these claims is not considered to involve an inventive step.

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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/FI2004/050176

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In case the space in any of the preceding boxes is not sufficient. Continuation of: BOX  $\ \ V$ 

The invention according to claims 1, 8 and 15 is not novel. The invention according to claims 2-7 and 9-14 is not considered to involve an inventive step. The invention according to claims 1-15 is industrially applicable.